

# INTERNATIONAL SEARCH REPORT

Int'l Application No  
PCT/IN2004/000203

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C12N9/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, Sequence Search, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/81422 A (MAX-PLANCK-GESELLSCHAFT ZUR FOERDERUNG DER WISSENSCHAFTEN E.V; ULLRICH) 1 November 2001 (2001-11-01) page 11, line 27 - page 23, line 22 ----- KOUL ANIL ET AL: "Cloning and characterization of secretory tyrosine phosphatases of <i>Mycobacterium tuberculosis</i> " JOURNAL OF BACTERIOLOGY, WASHINGTON, DC, US, vol. 182, no. 19, October 2000 (2000-10), pages 5425-5432, XP002177836 ISSN: 0021-9193 the whole document ----- -/-	1-3, 5, 7, 9, 11-13, 18, 19
X		1-3, 5, 7, 9, 11-13, 18

Further documents are listed in the continuation of box C

Patent family members are listed in annex.

\* Special categories of cited documents

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

\*&\* document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

11 February 2005

24/02/2005

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE EMBL 19 June 2003 (2003-06-19), WANG ET AL.: "Identification of essential genes in microorganisms" XP002317369 Database accession no. ACA40627 abstract	18,19
X	& WO 02/771833 A (ELITRA PHARM. INC.) 3 October 2002 (2002-10-03) claim 14; sequence 28497 ----- SINGH RAMANDEEP ET AL: "Disruption of mptpB impairs the ability of <i>Mycobacterium</i> tuberculosis to survive in guinea pigs." MOLECULAR MICROBIOLOGY, vol. 50, no. 3, November 2003 (2003-11), pages 751-762, XP002317368 ISSN: 0950-382X the whole document -----	18,19
P,X		1-39

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International application No.

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## Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the International application and necessary to the claimed invention, the international search was carried out on the basis of:
  - a. type of material
    - a sequence listing
    - table(s) related to the sequence listing
  - b. format of material
    - in written format
    - in computer readable form
  - c. time of filing/furnishing
    - contained in the international application as filed
    - filed together with the international application in computer readable form
    - furnished subsequently to this Authority for the purpose of search
2.  In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3. Additional comments:

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IN2004/000203

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
WO 0181422	A 01-11-2001	AU 6735801	A 07-11-2001	A
		WO 0181422	A1 01-11-2001	A1
		EP 1274732	A1 15-01-2003	A1
		US 2003180304	A1 25-09-2003	A1
WO 2002771833	A	NONE		